FORM PTO-1449 (REV. 7-85)

U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE CITATION

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ATTY. DOCKET NO.
D0045A CIP
APPLICATION NO.
10/680,402
APPLICANT
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FILING DATE
OCTOBER 7, 2003

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
MC	AM	WO 84/03564	09/13/84	PCT			☐	☐
	AN						☐	☐
	AO						☐	☐
	AP						☐	☐
	AQ						☐	☐

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

MC	✓ AR	Aggarwal, B.B., et al., "Apoptosis and Nuclear Factor-κB: A Tale of Association and Dissociation", Biochemical Pharmacology, Vol. 60, pp. 1033-1039 (2000)
	✓ AS	Alam, J. et al., "Reporter Genes: Application to the Study of Mammalian Gene Transcription", Analytical Biochemistry, Vol. 188, pp. 245-254 (1990)
MC	✓ AT	Altschul, S. et al., "Gapped BLAST and PSI-Blast: a new generation of protein database search programs", Nucleic Acids Research, Vol. 25, No.17, pp.3389-3402 (1997)

EXAMINER [signature] **DATE CONSIDERED** 12/22/05

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MC	✓ 2AA	Basu, S. et al., "The DNA-Dependent Protein Kinase Participates in the Activation of NFκB Following DNA Damage", Biochemical and Biophysical Research Communications, Vol. 247, pp. 79-83 (1998)
	✓ 2AB	Baud, V. et al., "Signal transduction by tumor necrosis factor and its relatives", TRENDS in Cell Biology, Vol. 11, No. 9, pp. 372-377 (2001)
	✓ 2AC	Blahos, J. et al., "A Novel Site on the Gα-protein That Recognizes Heptahelical Receptors*", The Journal of Biological Chemistry, Vol. 276, No. 5, pp. 3262-3269 (2001)
	✓ 2AD	Boss, V. et al., "Induction of NFAT-mediated Transcription by G_q-coupled Receptors in Lymphoid and Non-lymphoid Cells*", The Journal of Biological Chemistry, Vol. 271, No. 18, pp. 10429-10432 (1996)
	✓ 2AE	Bunzow, J.R. et al., "Cloning and expression of a rat D_2 dopamine receptor cDNA", Nature, Vol. 336, pp. 783-787 (1988)
	✓ 2AF	Burke, J.R. et al., "The Multisubunit IκB Kinase Complex Shows Random Sequential Kinetics and is Activated by the C-terminal Domain of IκBα*", The Journal of Biological Chemistry, Vol. 273, pp. 12041-12046 (1998)
	✓ 2AG	Chen, G. et al., "Constitutive receptor systems for drug discovery", J. Pharmacol Toxicol, Vol. 42, pp. 199-206 (1999)
	✓ 2AH	Delgado, M., et al., "Vasoactive Intestinal Peptide and Pituitary Adenylate Cyclase-activating Polypeptide Inhibit Tumor Necrosis Factor α Transcriptional Activation by Regulating Nuclear Factor-kB and cAMP Response Element-binding Protein/c-Jun*", The Journal of Biological Chemistry, Vol. 273, No. 47, pp. 31427-31436 (1998)
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	✓ 2AJ	Dorn II, G.W. et al., "Low- and high-level transgenic expression of β_2-adrenergic receptors differentially affect cardiac hypertrophy and function in Gαq-overexpressing mice", Proc. Natl. Acad. Sci. USA, Vol. 96, pp. 6400-6405 (1999)
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MC	✓ 3AA	George, S.E. et al., "Functional Coupling of Endogenous Serotonin (5-HT_{1B}) and Calcitonin (C1a) Receptors in CHO Cells to a Cyclic AMP-Responsive Luciferase Reporter Gene", Journal of Neurochemistry, Vol. 69, No. 3, pp. 1278-1285 (1997)
	✓ 3AB	Ghosh, S. et al., "NF-κB AND REL PROTEINS: Evolutionarily Conserved Mediators of Immune Responses", Annu. Rev. Immunol. Vol. 16, pp. 225-60 (1998)
	✓ 3AC	Gilman, Alfred G. "G Proteins: Transducers of Receptor-Generated Signals", Ann. Rev. Biochem. Vol. 56, pp. 615-49 (1987)
	✓ 3AD	Hawes, B. et al., "Phosphatidylinositol 3-Kinase is an Early Intermediate in the Gβγ-mediated Mitogen-activated Protein Kinase Signaling Pathway*", The Journal of Biological Chemistry, Vol. 271, No. 21. pp. 12133-12136 (1996)
	✓ 3AE	Hill, J. et al., "Molecular Cloning and Functional Characterization of MCH_2, a Novel Human MCH Receptor*", The Journal of Biological Chemistry, Vol. 276, pp. 20125-20129 (2001)
	✓ 3AF	Hofmann, K. et al., "A Database of Membrane Spanning Protein Segments", Biol. Chem. Vol. 347 pp. 163 (1993)
	✓ 3AG	Horn, F. et al., "G protein-coupled receptors *in silico*", J. Mol. Med. , Vol. 76, pp. 464-468 (1998)
	✓ 3AH	Horn, F. et al., "The Interaction of Class B G Protein-Coupled Receptors with their Hormones", Receptors and Channels, Vol.5, pp. 305-314 (1998)
	✓ 3AI	Ito, C. et al., "Three NF-χB sites in the IχB-α promoter are required for induction of gene expression by TNFα", Nucleic Acids Research, Vol. 22, No. 18, pp. 3787-3792 (1994)
	✓ 3AJ	Johnson G. et al., "The G-Protein Family and Their Interaction with Receptors*", Endocrine Reviews, Vol. 10, No. 3, pp. 317-331 (1989)
	✓ 3AK	Karttunen, J. et al., "Measurement of ligand-induced activation in single viable T cells using the *lacZ* reporter gene", Proc. Natl. Acad. Sci. USA, Vol. 88, pp. 3972-3976 (1991)
	✓ 3AL	Kobilka, B. et al., "cDNA for the human β_2-adrenergic receptor: A protein with multiple membrane-spanning domains and encoded by a gene whose chromosomal location is shared with that of the receptor for platelet-derived growth factor", Proc. Natl. Acad. Sci. USA, Vol. 84, pp. 46-50 (1987)
	✓ 3AM	Kobilka, B. et al., "Cloning, Sequencing, and Expression of the Gene Coding for the Human Platelet α_2-Adrenergic Receptor", Science, Vol. 238, pp. 650-656 (1987)
MC	✓ 3AN	Kypson, A.P. et al., "Adenovirus-mediated gene transfer of the β_2-adrenergic receptor to donor hearts enhances cardiac function", Gene Therapy, Vol. 6, pp. 1298-1304 (1999)

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mc	✓ 4AA	LeDoux, Joseph "EMOTION: Clues from the Brain" Annu. Rev. Psychol. Vol. 46, pp. 209-35 (1995)
	✓ 4AB	Offermanns, S. et al., "$G\alpha_{15}$ and $G\alpha_{16}$ Couple a Wide Variety of Receptors to Phospholipase C*", The Journal of Biological Chemistry", Vol. 270, No. 25, pp. 15175-15180 (1995)
	✓ 4AC	Ollivier, V. et al., "Elevated Cyclic AMP Inhibits NF-κB-mediated Transcription in Human Monocytic Cells and Endothelial Cells*", The Journal of Biological Chemistry, Vol. 271, No. 34, pp. 20828-20835 (1996)
	✓ 4AD	Price, C.M. , "Fluorescence In Situ Hybridization", Blood Reviews, Vol. 7, pp. 127-134 (1993)
	✓ 4AE	Rees, S. et al., "Reporter gene systems for the study of G protein-coupled receptor signal transduction in mammalian cells", Oxford University Press, pp. 171-221 (1999)
	✓ 4AF	Salcedo, R. et al., "Human endothelial cells express CCR2 and respond to MCP-1: direct role of MCP-1 in angiogenesis and tumor progression", Blood, Vol. 96, No. 1, pp. 34-40 (2000)
	✓ 4AG	Selbie, L. et al., "G protein-coupled-receptor cross-talk: the fine-tuning of multiple receptor-signalling pathways", TiPS, Vol. 19, pp. 87-93 (1998)
	✓ 4AH	Sica, A. et al., "Defective Expression of the Monocyte Chemotactic Protein-1 Receptor CCR2 in Macrophages Associated with Human Ovarian Carcinoma$_1$", The Journal of Immunology, Vol. 164, pp. 733-738 (2000)
	✓ 4AI	Silverman, N. et al., "NF-κB signaling pathways in mammalian and insect innate immunity", Genes & Development, Vol. 15, pp. 2321-2342 (2001)
	✓ 4AJ	Simon, M. et al., "Diversity of G Proteins in Signal Transduction", Science, Vol. 252, 802-808
	✓ 4AK	Suto, C. et al., "Selection of an Optimal Reporter Gene for Cell-Based High Throughput Screening Assays", Journal of Biomolecular Screening, Vol. 2, No. 1. pp. 7-9 (1997)
	✓ 4AL	Tam, J. et al., "Disulfide Bond Formation in Peptides by Dimethyl Sulfoxide, Scope and Applications", J. Am. Chem. Soc., Vol. 113, pp. 6657-6662 (1991)
	✓ 4AM	Thornberry, N. et al., "Caspases: Enemies Within", Science, Vol. 281, pp. 1312-1316 (1998)
mc	✓ 4AN	Trask, Barbara, "Fluorescence *in situ* hybridization: applications in cytogenetics and gene mapping", TIG, Vol. 7, No. 5, pp. 149-154 (1991)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

MC	5AA ✓	Wess, Jurgen, "G-protein-coupled receptors: molecular mechanisms involved in receptor activation and selectivity of G-protein recognition", FASEB J., Vol. 11, pp 346-354 (1997)
	5AB ✓	Whitney, M. et al., "A genome-wide functional assay of signal transduction in living mammalian cells", Nature Biotechnology, Vol. 16, pp. 1329-1333 (1998)
	5AC ✓	Wong, H. et al., "Stress Response Decreases NF-κB Nuclear Translocation and Increases I-κBα Expression in A549 Cells", J. Clin. Invest., Vol. 99, No. 10, pp. 2423-2428 (1997)
MC	5AD ✓	Zlokarnik, G, et al., "Quantitation of Transcription and Clonal Selection of Single Living Cells with β-Lactamase as Reporter". Science, Vol. 279, pp. 84-88 (1998)
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MC	AR	NCBI ENTREZ ACCESSION NO. XP_046588, NCBI Annotation Project, February 6, 2002
	AS	NCBI ENTREZ ACCESSION NO. gi|14210484, Mori, M. et al., July 17, 2001
MC	AT	NCBI ENTREZ ACCESSION NO. gi|14753996, NCBI Annotation Project, October 16, 2001

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MC	2AA	NCBI ENTREZ ACCESSION NO. gi|19071792, Fried, S. et al., March 2, 2002
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Sheet 1 of 3

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	AN	WO 01/07606	2/1/01	PCT			☐	☐
	AO	WO 01/36479	5/25/01	PCT			☐	☐
	AP	WO 01/70975	9/27/01	PCT			☐	☐
MC	AQ	WO 01/62797	8/30/01	PCT			☐	☐

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MC	AR	NCBI Entrez Accession No: gi|14753996 NCBI Annotation Project, February 16, 2002.
	AS	NCBI Entrez Accession No: gi|14210484 Mori, M. et al., July 17, 2001.
MC	AT	NCBI Entrez Accession No: XP_046588, NCBI Annotation Project, February 6, 2002.

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mc	AA	NCBI Entrez Accession No: gi|19071792 / Fried, S. et al., March 02, 2002.
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